

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8	("4413718" "5485906" "5496212").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/21 20:23
S2	7	"5485906"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 19:23
S3	206	("5496212" "6552781" "20050139448" "5441347" "5564836" "5624308" "5016879" "5547416" "5566808" "5386902" "5494145" "5738200" "3667585" "3653481" "3842210" "4155549" "4111215" "4267716" "4275751" "4467656" "4832654" "4853580" "4881918" "4980587" "5062518" "5191998" "5295462" "5551911" "5898172" "5931731" "6050616" "6269285" "7144317" "20050118943" "20060037836" "5531309" "5551542" "5860649" "4587984" "4589782" "4596470" "5020653" "5046841" "5222737" "5248023" "5316118" "5370210" "5662205" "5685782" "5742656" "5780842" "5902179" "20060231856" "5402871" "4389049" "4333557" "4371072" "4413718" "4550819" "4588263" "4829561" "5273151" "4047029" "4088144" "4340370" "4360128" "4625851" "4811040" "4812810" "4856046" "4924507" "4934792" "4955743" "4980805" "4988860" "5002174" "5062026" "5181722" "5300920" "5397134" "5414254" "5439230" "5501633" "5516293" "5522733" "5576825" "5621492" "5621859" "5702077" "5733193" "5767506" "5785316" "5803453" "5805282" "5882106" "5888667" "5899809" "5950767" "6040760" "6053300" ).pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:18

## EAST Search History

S4	8	"5496212"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 19:31
S5	4	"6552781"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 19:35
S6	6	"5441347"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 19:36
S7	8	"5564836"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 19:38
S8	9	"5624308"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 19:39
S9	50	"5016879"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 19:40
S10	4	"5547416"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 19:40
S11	24388	(beam same deflector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:18

## EAST Search History

S12	22161	"194"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:19
S13	14	S11 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:22
S14	3329969	mirror near\$6 deflector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:22
S15	6091	mirror near6 deflector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:23
S16	2	S12 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:23
S17	7053	mirror near6. (deflector or flap or diverter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:24
S18	2	S12 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:23
S19	12078	mirror same (deflector or flap or diverter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:24

## EAST Search History

S20	5	S12 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:24
S21	405765	flap or diverter or deflector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:25
S22	3662122	(flap or diverter or deflector) near\$10 (mirror or reflector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:29
S23	3330	S12 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:27
S24	9265	(flap or diverter or deflector) near10 (mirror or reflector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:27
S25	2	S12 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:28
S26	10533	(flap or diverter or deflector) with (mirror or reflector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:32
S27	3	S12 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:29

## EAST Search History

S28	6827	(flap or diverter or deflector) near (laser or lcd or beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:33
S29	0	(flap or diverter or deflector) near (laser or lcd or beam) near on	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:40
S30	3	S12 and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:34
S31	331689	laser near beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:35
S32	16	S31 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:34
S33	322571	laser adj beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:35
S34	419	S12 and "322"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:35
S35	15	S12 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:35

## EAST Search History

S36	0	(flap or diverter or deflector) near (laser or led) near on	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:40
S37	650	(flap or diverter or deflector) near (laser or led)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:40
S38	0	S12 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:40
S39	2	S37 and coins	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:42
S40	14	Roland near Griesse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:45
S41	29	S12 and Bruner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:53
S42	209	194/203	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:53
S43	205	194/203.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:53

## EAST Search History

S44	350	S42 or S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 20:53
S45	93	S44 and (laser or LED or "light emitting diode" or beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 10:33
S46	11	("3998309"   "4298116"   "4583082"   "4673270"   "5383546"   "5797475"   "5823315"   "5931731"   "6003651"   "6050387"   "6417471").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/28 21:18
S47	37	"4437558"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/28 21:18
S48	303	flap near sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 10:54
S49	4	S48 and "194"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 10:33
S50	118	deflector near sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 10:54
S51	47	deflector near LED	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 10:54

## EAST Search History

S52	46	flap near LED	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 10:56
S53	183	photodetector near (deflector or flap or gate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 10:57
S54	10	photodetector near (deflector or flap or gate) same (position or location)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 10:59
S55	22163	"194"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:00
S56	203	S55 and diverter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:07
S57	26976	mars and ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:10
S58	12	S55 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:08
S59	17301	mars and spark	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:10



## EAST Search History

S60	12	S55 and S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:11
S61	60	S55 and ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:31
S62	344	194/346	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:31
S63	75	194/349	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:31
S64	53	194/349.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:32
S65	114	S63 or S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:32
S66	27	S65 and (laser or LED or sensor or photodetector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 11:52
S67	7	"5823315"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 14:05

## EAST Search History

S68	1848	(service or "drive-up" or driveup) near window	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 13:49
S69	1860	(service or "drive-up" or driveup or walkup or "walk-up") near window	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 13:46
S70	4257651	(service or "drive-up" or driveup or walkup or "walk-up") near\$3 window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 13:46
S71	5563	(service or "drive-up" or driveup or walkup or "walk-up") near3 window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 13:46
S72	1250	(service or "drive-up" or driveup) adj window	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 13:49
S73	6	((service or "drive-up" or driveup) near window) same (remote adj control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 13:51
S74	150	((service or "drive-up" or driveup) near window) same (open)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 13:59
S75	5012	(window) same (remote adj control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 13:59

## EAST Search History

S76	1628	S75 and wireless	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 14:00
S77	836	S76 not (operating adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 14:04
S78	3840	S75 not (operating adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 14:04
S79	11	S78 and (service near window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 14:04
S80	4	("5440837").URPN.	USPAT	OR	ON	2007/05/31 14:07
S81	47864	remote near control	USPAT	OR	ON	2007/05/31 14:08
S82	753	S81 and elbow	USPAT	OR	ON	2007/05/31 14:08
S83	118	S82 and window	USPAT	OR	ON	2007/05/31 18:10
S84	5	"5485906"	USPAT	OR	ON	2007/05/31 18:10